

ANNUAL OPERATIONS AND PROGRESS REPORT

From Month/Year January 1984  
to Month/Year January 1985

(To be submitted for each mining operation at the end of each calendar year to the Division at this address:)

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
(801) 538-5340

OPERATOR: Anaconda Minerals Company MINE NAME: Carr Fork Operations

ADDRESS: R.F.D. 1, Box 79  
Tooele, Utah 84074

PERMIT NUMBER AND DATE OF PERMIT: Act/045/004 August 20, 1980

REPRESENTATIVE: W. J. Garmoe, Operations Superintendent

13, 24, 23, 17 3S 4W  
SECTION(S): 18, 19, 20, 21, 28 TOWNSHIP(S): 3S RANGE(S): 3W

MINERAL(S) MINED: Copper

STATE AND/OR FEDERAL MINERAL LEASE NUMBERS: ML 26976 and ML 29634

SPECIAL USE PERMITS AND/OR RIGHTS-OF-WAY: SULA No. 382

Section 40-8-15 and Rule M-8 of the Utah Mined Land Reclamation Act, requires each operator to include with this report an up-dated map and plan prepared in accordance with Rule M-3, as outlined in the requirements for annual report maps in Appendix I, providing a detailed status of all mining and reclamation activities which have occurred during the past year.

The report should include:

MINING:

(a) Tabulation of acreage disturbed (by pits, roads, facilities, etc.) during the report period with illustration on a current map.



Disturbance

Acreage

Pit  
Roads  
Facilities  
Waste Dumps  
Other

Underground Mine (N/A)

20  
512

(b) Tabulation of acreage affected to date (by years).

Date by Year

Acreage (Total)

1975  
1976  
1977  
1978  
1979  
1980  
1981  
1982  
1983  
1984

532  
532  
532  
532  
532

(c) Tabulation of all topsoil (new) stockpile volumes (see chart below) and date of stockpiling.

SOIL TABULATION CHART

Area Affected (in mining sequence) (If more space is needed, please attach.)	<u>Area</u>			
	1	2	3	etc.

N/A

Acreage of Area

Depth of Topsoil Removal (inches)

Depth of Topsoil Replacement (inches)\*

Estimate of Topsoil Volume Salvaged (yd<sup>3</sup> or ac ft)

Volume Actually Salvaged (yd<sup>3</sup> or ac ft)

Volume Required for Reclamation (yd<sup>3</sup> or ac ft)

Surplus or Deficit Volume (yd<sup>3</sup> or ac ft)

Storage Status (short- or long-term)



Soil Tabulation Chart (continued)

Area Affected (in mining sequence)	Area			etc.
	1	2	3	
	N/A			
Storage Location				
Area Where Soil Has Been Used (if not stored)				
Running Total (all stockpiles) (yd <sup>3</sup> or ac ft)				
Short-term				
Long-term				

\*Of previously stripped area recently reclaimed.

(c) Tabulation of all (newly removed) out-of-pit spoil volumes, date of placement and illustration on a map.

<u>Area</u>	<u>Date</u>	<u>Acreage</u>
N/A		

(e) Tabulation of quantity of commodity mined.

	<u>Commodity</u>	<u>Tonnage</u>
(Mined)	N/A	
(Milled)	N/A	

(f) Description of any new construction during the report period with illustration on a map, including, but not limited to:

- Buildings and support facilities.  
N/A
- Roads.  
N/A



3. Diversion ditches, collector ditches, interceptor ditches, etc.  
Repair and cleanout following flooding in May of 1984

4. Culverts.  
Repair and cleanout following flooding in May of 1984

5. Sediment ponds, containment ponds.  
Sediment ponds not in use following spring flooding. Mine dewatering stopped on February 15, 1985. Sediment ponds no longer necessary.

6. Monitoring sites (vegetative, air quality, surface subsidence, surface water or ground water, etc.).  
N/A

7. Topsoil stockpiles.  
N/A

(g) Description of any environmental problem areas with a proposed plan for mitigation and illustration on a map, including, but not limited to:

1. Pit stability problems.  
N/A

2. Subsidence.  
None Apparent



3. Accidental water discharge, dam failure, etc.  
None

4. Slumping, sliding or erosion.

Major mudslide occurred from Baltimore Gulch area in May 1984 requiring cleanup of several thousand tons of mud and gravel from parking lot area and associated mine office and ancillary buildings.

5. Revegetation problem areas.

As a result of the major mudslide in May 1984, and suspension of mining, spring reseeding of experimental test plots was not initiated.

6. Existence and location of unsuitable (toxic) overburden.

N/A

RECLAMATION:

(a) Tabulation of the acreage reclaimed during the report period with illustration on a map, distinguishing between:

1. Backfilled, graded and contoured areas.

Area

Acreage

N/A

2. Topsoiled areas.

Area

Acreage

None



3. Seeded areas.

<u>Area</u>	<u>Acreage</u>
None	

4. Reseeded areas (areas previously seeded, then seeded again).

<u>Area</u>	<u>Acreage</u>
None	

(b) Tabulation of total acreage reclaimed (seeded with permanent seed mix) to date by years with illustration on an updated map:

<u>Year</u>	<u>Acreage</u>
1975	
1976	
1977	
1978	
1979	
1980	
1981	
1982	
1983	
1984	

(c) Description of the reclamation procedures used during the report period, including:

1. Average depth of topsoil applied.

N/A

2. Type of seed (species) used for seeding during the report period.

N/A



3. Date of seeding during the report period.

Spring N/A

Fall N/A

4. Seeding procedures used.

(Hand broadcast or drilled or any other).

N/A

5. Rate of seed application.

Pounds Per Acre of Pure Live Seed (PLS) (if varied, please explain)

N/A

6. Type and rate of fertilizer applied.

N/A

7. Type and rate of mulch applied.

N/A

8. Rate of irrigation water applied, if any. Please describe any type of sprinkling, or water applied (water truck, etc.).

N/A

9. Revegetation test plot information.

(Cover, density, productivity, etc.)

None



10. Soil analysis results.

None

(d) Description of results of previous revegetation efforts, including:  
(This should be done as applicable.)

1. Types (species) of seed that have germinated and are growing.:

Spring floods have negatively impacted many areas previously re-vegetated, particularly areas above the General Office where the mountain slump inundated the parking lot and associated revegetation area with mud.

2. Types (species) of seed that are not growing successfully.

See Above

3. Areas experiencing problems with weeds and weed types.

N/A

4. Significant erosional problems.

See Above

5. Areas of unsuitable overburden on the surface as related to revegetation failure.

N/A

6. Procedures used or proposed to correct these problems.

Mountain slide area has been stabilized by construction of timber supported barricade. Associated mudslide debris continues to drain.



7. Acreage and dates of release (upon inspection by the State) of revegetated areas.

<u>Area</u>	<u>Date</u>	<u>Acreage</u>
N/A		

8. Results of soil analysis.

N/A

(e) Summarization of the reclamation costs incurred during the report period, including itemized costs for each operation (i.e., grading, topsoil replacement, seeding, etc.) and for each type of disturbance (i.e., spoil, haul roads, facilities removal, etc.) on a per acre basis.

	<u>Acres</u>	<u>Cost/Acre</u>
1. Grading	N/A	
2. Backfilling	N/A	
3. Contouring	N/A	
4. Topsoil Replacement	N/A	
5. Seeding	N/A	
A. Seedbed Preparation		
B. Mulch		
C. Fertilizer		
D. Seed		
6. Other	N/A	

BOND INFORMATION:

- A. An updated bond estimate should be included, if required in the Division's approval of the Mining and Reclamation Plan (MRP) or if changes to the MRP have occurred, including a detailed itemization of actual/estimated reclamation costs as outlined in the RECLAMATION section above. The date of the release of revegetated areas from further responsibility for a partial bond release, if applicable, should also be included.

	<u>Amount</u>	<u>Type</u>	<u>Date Posted</u>
Present Bond	None (Refer to 8/20/80 contract)		



Increased disturbance, if any:

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Increased Bond Amount (attached reclamation estimate).

B. Bond release.

<u>Acres</u>	<u>Bond Amount Released</u>	<u>Date</u>
N/A		

ADDITIONAL INFORMATION:

Supply any additional information as requested by the Division related to:

- (a) Permit stipulations (status).
- (b) Other special conditions (status).



APPENDIX I

ANNUAL REPORT MAPS

1. Maps must be clear and legible contour maps or recent aerial photos. The scale should be 1 inch = 500 feet to adequately show topographic features.
2. Map sheets should be of a reasonable size, not to exceed 48 inches on a side.
3. Maps must have a title block with:
  - A. Map title.
  - B. Name and address of permittee.
  - C. Permit and amendment numbers.
  - D. Annual report period.
  - E. Scale, north arrow, contour interval, date of photography, etc.
4. All maps must show:
  - A. Legal subdivisions.
  - B. Permit area boundary clearly shown and labelled.
  - C. Amendment areas clearly shown and labelled.
  - D. Contour features.
5. The following features should all be clearly identified:
  - A. Topsoil stockpiles (numbered and with volumes).
  - B. Settling ponds and sediment control structures.
  - C. Haul roads.
  - D. Pits identified by location, name, number, etc.
  - E. Ramps (numbered).
  - F. Out-of-pit spoil dumps.
  - G. All waste disposal sites including, but not limited to:
    1. Landfill sites.
    2. Carbonaceous waste dumps.
  - H. Diversion ditches.
  - I. Monitoring sites.
6. All areas to be affected by mining and reclamation in the coming year should be outlined and labelled.



ANACONDA Minerals Cor. /  
Carr Fork Operations  
R.F.D. #1, Box 79  
Tooele, Utah 84074  
Telephone 801 882 1431

File ACT/045/004



RECEIVED

MAR 21 1985

DIVISION OF OIL  
GAS & MINING

March 12, 1985

Mr. Ronald W. Daniels  
Acting Administrator  
Mineral Resource Development and  
Reclamation Program  
Utah Department of Natural Resources  
Division of Oil, Gas and Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

Dear Mr. Daniels:

Attached is a completed copy of the Annual Operations and Progress Report (MR Form 3). As was the case in 1984, the form continues to be somewhat nonapplicable to the Carr Fork Operations because mining activities continue to be curtailed. No new surface disturbance or reclamation associated with active mining occurred during 1984 and none is anticipated for 1985. Because there was no activity in 1984, the mine maps do not require updating and, therefore, were not revised.

In accordance with the State of Utah, Oil and Gas Conservation Act, Regulations 40-8-15, -16, and -21, this will serve to inform you that curtailment of mining activities will continue at Carr Fork for an undetermined period.

Sincerely,

W. J. Garmoe  
Operations Superintendent

Attachment